

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001629

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: B60R 001/074, 001/076

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI key words MIRROR, CLUTCH, ENGAGE, GEAR, WHEEL, SLIDE, TRANSLATE etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 3633010 A1 (AISIN SEIKI KK) 23 April 1987	1-2,
Y	Whole document	3-10
Y	US 6022113 A (STOLPE et al.) 8 February 2000	3-10
Y	Whole document	
A	US 5012693 A (ENOMOTO et al.) 7 May 1991	1
A	Whole document	

☐ Further documents are listed in the continuation of Box C ☒ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
17 January 2005

Date of mailing of the international search report

27 JAN 2005

Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaaustralia.gov.au
Facsimile No.: (02) 6285 3929

Authorized officer

L. DESECAR
Telephone No.: (02) 6283 2381

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
See Supplemental Box.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims, it is covered by claims Nos.: 1-10

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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Supplemental Box

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No:

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

1. Claims 1-10 are directed to a power-folding vehicle mirror assembly involving the features as defined. It is considered that *a motor operably connected to the planetary gear for driving the mirror head assembly around the sun gear, wherein upon application of a manual breakaway force to the mirror head assembly, the planetary gear transmits a breakaway torque to the sun gear, the breakaway torque sliding the sun gear away from and out of engagement with the clutch body, thereby allowing rotation of the sun gear and mirror head assembly with respect to a base while maintaining mesh with the planetary gear* comprises a first "special technical feature".
2. Claims 11-19 are directed to a clutch and reduction drive assembly involving the features as defined. It is considered that *a clutch mechanism is disengagable by movement of the second gear together with the receiving portion with respect to both the clutch body and the first gear while the second gear remains meshing with the first gear, the movement in a direction along the second axis of rotation* comprises a second "special technical feature".
3. Claims 20-26 are directed to a clutch and reduction drive assembly involving the features as defined. It is considered that *the primary gear is movable against the biasing means from an engaged position in which rotation with respect to the clutch body is prevented to a disengaged position in which rotation with respect to the clutch body occurs* comprises a third "special technical feature".

The inventions defined in Claims 1 and 11, 20 comprise different technical features, a technical relationship between the inventions, as defined in PCT Rule 13.2 does not exist. Accordingly the claims do not relate to one invention or to a single inventive concept.

Independent Claims 11 and 20 share the common features of *a clutch and reduction drive assembly comprising a first and a second gear, the second gear meshing with the first gear, an engaged position and a disengaged position of the first and the second gear*. However this concept is not novel in the light of for example the prior art document US 4882951 A (BRAUN) 28 November 1989. Therefore these claims do not relate to one invention only, a posteriori.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
DE	3633010	JP	62077257
US	5012693	EP	0331741
US	6022113	DE	19833154
		WO	8901427
		DE	19833672
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			
END OF ANNEX			